



RECEIVED

OCT - 9 2001

1455 Pennsylvania Avenue N.W.  
Suite 375  
Washington, DC 20004

(202) 628-3133

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

October 9, 2001

EX PARTE OR LATE FILED

The Honorable Michael K. Powell  
Chairman  
Federal Communications Commission  
445 Twelfth Street, S.W.  
Washington, D.C. 20554

Re: ET Docket 98-153 – Revision of Part 15 of the  
Commission's Rules Regarding Ultra-Wideband  
Transmission Systems  
*Ex Parte Communication*

Dear Chairman Powell:

The Commission is presently considering an exciting new technology of great interest to Texas Instruments, known as ultra-wideband ("UWB"). As you know, UWB is a wireless technology that will provide for the transfer of data from one electronic device to another at extremely high speeds while consuming low levels of power. A UWB chipset is extremely compact and can be added to a computer, PDA, camera, MP3 player, or other device at very low cost. We are enthusiastic about the potential for UWB to permit wireless connectivity among a wide range of consumer products, including video and other multimedia devices. We also believe this technology has the potential to catapult the U.S. into a leadership role in this next generation of wireless networking products, which are already gaining attention and competitors outside the U.S.

Texas Instruments has been following UWB developments for several years. Within the past two years, we have made a substantial equity investment in XtremeSpectrum, Inc., one of the companies bringing this technology to market. Since we made that investment, our relevant business groups have been engaged in strategic discussions with XtremeSpectrum officials. This has made us very familiar with UWB technology in general, and XtremeSpectrum's technical approach in particular. As a consequence, we are following the above referenced Commission docket with great interest, and were gratified to learn that

No. of Copies rec'd \_\_\_\_\_  
List ABCDE

you and your colleagues have committed to Congress to arrive at a decision and issue UWB rules in the fourth quarter of this year.

We are well aware that some interests have raised interference concerns about UWB technology. We certainly concur that no new technology—no matter how useful—can successfully be deployed if it causes interference to existing services. XtremeSpectrum has stated on the record that they can and will provide more than adequate protection to existing users, including GPS and PCS, at levels even more stringent than those proposed by the Commission. We understand XtremeSpectrum is in frequent contact with your OET staff on the interference issues, as well as with the appropriate people at NTIA.

We urge the Commission to finalize its review of the extensive record in this proceeding, and to authorize this groundbreaking technology to compete in the wireless communications marketplace as expeditiously as possible. Most, if not all, of the potential players in this field are start-up entrepreneurial companies that need prompt action by the Commission. Additionally, U.S. leadership in this segment of the exploding world of wireless is at stake. Finally, UWB deployment is consistent with the Commission's long-standing policy goal of ensuring that scarce radio spectrum is used as efficiently as possible while at the same time providing consumers with the latest tools to enhance their lifestyle and efficiency and spurring U.S. economic growth—no small matter in today's economic climate.

We would be pleased to meet with you or your staff to provide any additional information on TI's strong interest in timely deployment of this far-reaching technology. Thank you for your time and attention to our views. We look forward to an expeditious resolution to this proceeding.

Sincerely,



John K. Boidock  
Vice President  
Government Relations

cc: Commissioner Kathleen Q. Abernathy  
Commissioner Michael J. Copps  
Commissioner Kevin J. Martin  
Ms. Magalie Roman Salas